

VISHNU DADASO PAWAR

MECHANICAL ENGINEER

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CAREER OBJECTIVE

Quest to work in a real professional atmosphere that enables me to cope up with the emerging as well as the latest technology and which gives me the scope of widening the spectrum of my knowledge.

QUALIFICATION

B.E. In Mechanical Engineering from Dr. D.Y.Patil College of Engineering Pimpri, Pune, Pune University.

SKILLS SUMMARY

<input type="checkbox"/> Hydraulic Design	<input type="checkbox"/> 3D Modeling
<input type="checkbox"/> Autodesk Inventor	<input type="checkbox"/> AutoCAD Mechanical 2015
<input type="checkbox"/> Hydroman	<input type="checkbox"/> Creo CAD Software
<input type="checkbox"/> Corel Draw	<input type="checkbox"/> Solid Works

PROFESSIONAL EXPERIENCE

Presently working as Application Engineer (New Product Design) at **Eaton India Innovation Center, Pune** which is world leading supplier of hydraulic products for automotive, industrial sector. (From December 2018 to Till Date)

Ex-employee (Design Engineer) of **Electro pneumatics and Hydraulics Chakan, Pune** which is leading supplier and exporter of Hydraulic Equipment such as Hydroforming machine, Tube Bending machine, Hydraulic press , Special purpose machine & Defense system. (From July 2016 to December 2018)

Two week internship in “SANDVIK ASIA PVT.LTD.”dapodi, pune. In ‘ROUND TOOL PRODUCTION DEPARTMENT’.

Duties & Responsibilities:

- Making of General Arrangement and machine layout according to customer requirement
- Performing design calculation for machine according to tonnage and pressure.
- Concept design, design Calculation and hydraulic circuit design by referring technical specification for machine.
- Selection of hydraulic component including pump, motor, hydraulic reservoir, direction control valves, pressure control valve, modular valves, Cartridge valve, hose ,piping and hydraulic fitting selection.
- Familiar with tendering process for different project.
- Experience in leading project and complete in stipulated time.
- Knowledge of basic mechanical system components as well as Hydraulic component, Working Principle and Maintenance.
- Hands on experience of working AutoCAD mechanical 2012, Autodesk inventor 2012, Creo parametric and Hydroman (manifold block design software).
- Design and drafting of mechanical component for machine. Familiar with GD & T and drawing for manufacturing.
- Concurrent engineering with electronics, mechanical and production department to finalize GA..
- Familiar with BOM making procedure as well as SAP system.
- Also making Design report, Test report, User manual, Operation & maintenance manual, Tour report, Failure analysis & Modification report.

KEY PROJECT EXECUTED

- **Design of Pull Back System for ATAGS system (ARDE , DRDO):**

The project consists of design of hydraulic system which used to test Advance Tow Artillery Gun which is developed by ARDE (DRDO).

- **Design of hydraulic system for Powder Compacting Press:**

The projects consist of design of hydraulic system which is used for powder compacting press. In which I designed hydraulic tank (1000 ltr.) with mounting arrangement of respective component in 3D as per customer requirement & given specification.

- **Design of hydraulic system 200T Thermoforming Press:**

Project consist of design of hydraulic system for deep drawing press.

- **Design of power pack for BHEL & ONGC:**

Project was consist of design of hydraulic power pack of 200 ltr. As per customer specification with selection of induction motor, pump & other related hydraulic components.

- **Road Mobile Launcher (RML)(VRDE)(DRDO) : Current project**

The project consist of design of missile handling system before launching, like loading, unloading of missile on launching vehicle. Angular movement of missile.

Achievement

- Awarded by 'Excellent performance' certificate for 2017-18 year.

Eaton India Innovation Center, pune.

DECEMBER-18 TO TILL DATE

Duties & Responsibilities:

- Design & develop new product like hydraulic fittings, Adapaters, Selection of hoses & its end fitting as per customer requirement.
- Calculation of cost of product & making drawing with the help of SAE & ISO standards.
- Selection of hoses, its end fitting, adapters & couplings for test lab routing.
- Customer support for technical query.

KEY PROJECT EXECUTED

- Testing of Tata Hitachi excavator engine suction pipe joint:
Successfully completed testing of suction pipe joint at 8,00,000 impuls cycle without failure. Won business approx. \$0.3M.
- Cost out project:
Leading cost out project & saving \$100K annually.

Achievement

- Awarded by 'Star of the Quarter' in 2020 year.

HANDS ON EXPERIENCE

- Auto-Cad drafting, 3D modeling. Dimensioning and Annotations.
- Autodesk Inventor, Assembly and Drafting.
- Hydroman, For design Hydraulic manifold block
- Calculations, Component selection & making BOM.

- Familiar with Auto-CAD, Autodesk inventor, Creo, Catia V5 R19, Hydroman , Corel Draw, Solid Works.

CERTIFICATES

- Catia certificate course
- Internship form Sandvik Asia Pvt. Ltd. Dapodi.

PERSONAL PROFILE

Name	Vishnu Dadaso Pawar.
Date of Birth	14 th Nov 1994
Sex / Marital Status	Male / Single
Nationality / Religion	Indian / Hindu
Linguistic Proficiency	Marathi, Hindi, English

EDUCATIONAL QUALIFICATION

Qualification	University	Year of Passing	% / Pointer Secured
B.E. Mechanical	Pune University	2013-2016	72.36 %
H.S.C	Maharashtra Board	2011-2012	85.33 %
S.S.C.	Maharashtra Board	2009-2010	86.15 %

Awarded by 'Sincere Student' in 10th standard.

DECLARATION:

I confirm that the information provided by me is true to the best of my knowledge and belief.

Date: - 01/01/2021

Vishnu Dadaso Pawar